

## **LMOP Presentation Proposal: Permitting Challenges in Ozone Non-Attainment Areas**

Ameresco proposes to present a paper on permitting electricity generation projects using landfill gas in ozone non-attainment areas. The presentation will focus on five of Ameresco's recently permitted projects: two in California, two in Delaware, and one in Massachusetts. The presentation will discuss the process for obtaining permits and the special circumstances created by these compromised air quality districts. In particular, the presentation will focus on the following:

- Different state interpretations of the Title V requirements;
  - Separate vs. contiguous
  - Flare netting
  - Different NOx emissions levels
  - Other
- BACT/LAER standards for engines
- Emissions monitoring
- Environmental benefits from using a renewable energy source
  - Emissions offset
  - Reduce overall statewide emissions
- Challenges, barriers, and delays in receiving executed permits

Finally, the presentation will reflect on the parts of the permitting processes that were efficient and helped to move the process along. We would welcome LMOP's feedback in helping to create a final presentation that addresses audience interests and needs.

### **Speaker: Daniel R. Gardner**

Mr. Gardner has over 17 years of project management and construction experience in the distributed generation industry. At Ameresco, Mr. Gardner develops and manages construction of energy related projects. He has participated in the development, construction and operation of distributed generation, cogeneration and biofuel to energy projects. Mr. Gardner has been directly involved in the installation of 14 distributed generation projects, with many of the projects involving landfill gas and digester gas. Mr. Gardner's project-related responsibilities include project engineering and analytical functions including field surveys, energy audits, feasibility studies, detailed engineering, cost estimating, savings calculations, project design, and construction. Mr. Gardner was formerly project manager for Jenbacher, now a GE company as well as DukeSolutions, and has also owned his own mechanical services firm, which provided services for the power industry.

### **Submitted by:**

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